



FIG S1. Cumulative frequency of influenza virus PCR signals in cultures with low hemagglutination activity. The 2011/2012 virus isolates that showed no agglutination activity after two in vitro passages (n=141) and isolates with HA=2 (n=20) were tested by influenza matrix-specific PCR. The cumulative frequencies of isolates with Ct values < 40 are shown for the HA=0 isolates (left panel; n=94) and the HA=2 isolates (right panel; n=11).

TABLE S1. Detection of influenza A(H3N2) viruses in routine diagnostic clinical samples

Sample			PCR		Log TCID ₅₀ /mL ^d	
ID	Material ^a	Date	Ct ^b	Subtype ^c	HA assay	NP-ELISA
1	NW	13/Feb/2012	20.5	H3	<0.75	4.00
2	NW	18/Feb/2012	26.1	H3	<0.75	<0.75
3	NW	20/Feb/2012	23.5	H3	<0.75	2.25
4	NW	27/Feb/2012	18.7	H3	<0.75	2.75
5	NW	27/Feb/2012	16.5	H3	<0.75	4.50
6	SP	29/Feb/2012	19.2	H3	<0.75	3.25
7	NW	13/Mar/2012	21.5	H3	<0.75	3.50
8	NW	15/Mar/2012	19.5	H3	<0.75	4.75
9	NW	20/Mar/2012	23.1	H3	<0.75	2.25
10	NW	23/Mar/2012	25.7	H3	<0.75	2.00
11	NW	12/Apr/2012	20.8	H3	<0.75	3.75
12	SP	18/Apr/2012	18.4	H3	<0.75	3.50
13	NW	30/Apr/2012	22.8	H3	<0.75	2.00
14	NW	02/May/2012	19.9	H3	<0.75	3.50

^a NW: nasal wash; SP: sputum.

^b Ct value of matrix-specific PCR on primary sample material.

^c Determined by PCR with subtype-specific probes.

^d All thawed samples, except for sample 2, were culture positive by direct immunofluoresence.

Table S2. Detection of influenza A(H3N2) viruses in baseline samples of a clinical trial^a

Sample			PCR		Log TCID ₅₀ /mL	
ID	Material ^b	Date ^c	Ct ^d	Subtype ^e	HA assay	NP-ELISA
1	NS	10/Jan/2012	22.3	H3	<0.75	2.75
2	NS	18/Jan/2012	20.4	H3	<0.75	3.50
3	NS	26/Jan/2012	19.6	H3	<0.75	4.00
4	NS	30/Jan/2012	23.5	H3	<0.75	4.50
5	NS	03/Feb/2012	19.7	H3	1.00	3.75
6	NS	06/Feb/2012	33.0	H3	<0.75	1.00
7	NS	09/Feb/2012	21.0	H3	<0.75	3.75
8	NS	17/Feb/2012	18.8	H3	<0.75	3.75
9	NS	17/Feb/2012	25.3	H3	<0.75	<0.75
10	NS	27/Feb/2012	25.5	H3	<0.75	<0.75
11	NS	08/Mar/2012	Undet	ND	<0.75	<0.75

^a Roche Study WP22849; ClinicalTrials.gov Identifier: NCT00988325

^b NS: nasopharyngeal swabs

^c Baseline samples only

^d Ct value of matrix-specific PCR on primary sample material; Undet: undetectable.

^e Determined by PCR with subtype-specific probes.